

# **IDAHO**

## **DEPARTMENT OF FISH AND GAME**

**Jerry M. Conley, Director**

**SANDPOINT HATCHERY**

**Annual Report**



**1 October 1983 - 30 September 1984**

by  
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**Fish Hatchery Superintendent I**

**June 1985**

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## **SANDPOINT HATCHERY**

### **Annual Report**

#### **ABSTRACT**

During the fisheries year, Sandpoint Hatchery received 1,845,000 green kokanee eggs from the trap on Sullivan Springs Creek, a tributary to Granite Creek. The hatchery also received 456,000 green cutthroat eggs from Yellowbanks Creek; 77,700 eyed Kamloops eggs from Skanes Trout Farm; 33,000 3-6 inch brook trout from Eagle Fish Hatchery and 3,500 0-3 inch Kamloops trout from Clark Fork Hatchery.

The hatchery transferred 197,501 eyed cutthroat eggs to the Clark Fork Hatchery. Some 2,264,872 kokanee, Kamloops, cutthroat and brook trout were released into Region 1 streams, lakes and reservoirs.

The hatchery produced a total of 3,258 pounds of fish at a feed cost of \$2,606.40. 5,450 pounds of feed was used for a conversion rate of 1.67.

The hatchery has on hand 229,940 Kamloops and cutthroat trout.

The adult cutthroat taken from Yellowbanks Creek were diagnosed as having IPN. It is felt this has affected the survival rate of their offspring.

Author:

Daniel J. Beers  
Fish Hatchery Superintendent I

## OBJECTIVES

1. To raise and release an average of 1,864 pounds of 0-4 inch Kokanee per year. This is an average of 1,875,000 fish released per year. In past years, most of the kokanee were released in Granite Creek, a tributary to Pend Oreille Lake. However, in 1983 and 1984, some of these fish were released in Priest Lake or tributaries.
2. To rear and release approximately 110,000 Kamloops strain rainbow trout at size 2 (3-6 inches). These fish will weigh about 850 lbs at release time, and they will be released in the waters of Region 1.

## INTRODUCTION

Sandpoint Hatchery is located in Bonner County, five miles south of Sandpoint on the Pend Oreille River. The Sandpoint Hatchery receives its water supply from springs. The water is piped in from the springs located approximately four-tenths of a mile south of the hatchery. The Sandpoint Hatchery has 1.2 cfs of water available to use. The hatchery has seven double stacks of incubators and two short stacks along with eight round incubators, 18 vats, 13 feet long x 3 feet wide x 2 1/2 feet deep, and two 5 feet x 100 feet raceways. The hatchery is capable of raising 7,275 pounds of yearling fish, however, most of the production is now taken up by about 1,760,000 kokanee, 151,000 Kamloops and 320,000 cutthroat.

## FISH PRODUCTION

### Eggs Received

During the year, Sandpoint Hatchery received the following egg shipments: 1,845,000 green kokanee eggs from the fish trap on Sullivan Springs; 456,000 green cutthroat eggs from Yellowbanks Creek and 77,700 eyed Kamloops eggs from Skanes Trout Farm.

### Fish Received

Sandpoint Hatchery received 33,000 3-6 inch brook trout from the Eagle Fish Hatchery and 3,500 0-3 inch Kamloops trout from Clark Fork Hatchery.

### Fish Produced

The hatchery produced a total of 3,258 pounds of fish.

<u>Species Produced</u>	<u>Pounds Produced</u>
Kokanee	1,421.77
Kamloops	1,434.45
Cutthroat	397.01
Brook trout	5.00

### Fish on Hand

At the end of the 1984 year, we had on hand the following fish:

<u>Species</u>	<u>Number</u>	<u>Pounds</u>
Kamloops	26,029	132.37
Cutthroat	203,911	203.36

### **FISH HEALTH**

The adult Yellowbanks cutthroat were diagnosed as IPN carriers. The fry from these fish have had heavier than normal mortalities. It is felt that this loss is due to the same virus, even though we have not received confirmation of that diagnoses.

### **TRANSFERS**

#### Egg Transfers

We transferred 197,501 eyed cutthroat eggs to the Clark Fork Hatchery this year. These were from the Yellowbanks adults.

#### Fish Transfers

According to available records, there were no fish transferred from the Sandpoint Hatchery during the 1983-84 fish year.

### **FISH RELEASES**

During the year, Sandpoint Hatchery planted 2,264,872 fish for a total of 4,564.83 pounds of fish.

<u>Species</u>	<u>Number</u>	<u>Pounds</u>
Kokanee	1,760,119	2,080.35
Kamloops	151,520	1,779.77
Cutthroat	321,738	259.78
Brook trout	31,595	445.00

Table 1 lists these plants according to species, receiving water, number planted, fish size and month planted.

Table 1. Fish planted from Sandpoint Hatchery, 1983-84.

Receiving water	Number planted	Fish size	Month planted
<u>Kokanee</u>			
Lower Twin Lake	2,125	0-3 inches	July
Mirror Lake	1,992	0-3 inches	July
Kalispell Creek	500,368	0-3 inches	July
Jewel Lake	1,660	0-3 inches	July
Granite Creek	1,253,974	0-3 inches	July-Aug
<u>Kamloops</u>			
Yellowbanks Creek	88,445	3-6 inches	Apr-May
Little Payette Lake	10,580	3-6 inches	June
Spring Creek	10,736	3-6 inches	June
Granite Creek	9,328	3-6 inches	June
West Fork Lake	3,010	0-3 inches	July
Harrison Lake	7,296	0-3 inches	July
Trout Lake	1,733	0-3 inches	July
Pyramid Lake	2,736	0-3 inches	July
Hidden Lake	12,520	0-3 inches	July
Solomon Lake	2,268	0-3 inches	July
Spruce Lake	2,520	0-3 inches	August
<u>Cutthroat</u>			
Blanchard Pond	2,812	3-6 inches	June
Ball Lake	1,000	0-3 inches	July
Little Ball Lake	1,500	0-3 inches	July
Caribou Lake (near Kokanee Mtn.)	1,750	0-3 inches	July
Callahan Lake	2,500	0-3 inches	July
Caribou Lake (near W. Fk. Mtn.)	1,752	0-3 inches	July
Blacktail Creek	70,488	0-3 inches	July
Feder Creek	59,488	0-3 inches	July
Packer Creek	59,488	0-3 inches	July
Tilicum Creek	49,488	0-3 inches	July
Youst Creek	61,488	0-3 inches	July
Two Mouth #2	5,280	0-3 inches	August
Copper Lake	1,390	0-3 inches	August
Sand Lake	1,254	0-3 inches	Sept
Dennick Lake	2,060	0-3 inches	Sept
<u>Brook Trout</u>			
Bloom Lake	5,041	3-6 inches	July
Perkins Lake	4,402	3-6 inches	July
Lower Twin Lake	4,615	3-6 inches	July
Upper Twin Lake	7,526	3-6 inches	July
Mirror Lake	10,011	3-6 inches	July

### **FISH FEED UTILIZATION**

We fed a total of 5,450 pounds of Oregon Moist Pellets at a total cost of \$2,606.40. This gave a conversion rate of 1.67 at a feed cost of \$.48 per pound. The breakdown of pounds per size of feed is as follows:

1/32 Oregon Moist	----	2,500 pounds
3/64 Oregon Moist	----	900 pounds
1/16 Oregon Moist	----	1,800 pounds
3/32 Oregon Moist	----	250 pounds

### **HATCHERY NEEDS**

Since the hatchery is scheduled to close in the fall of 1985, most of the presently needed equipment and repairs can be "lived with" until the closure.

### **HATCHERY IMPROVEMENTS**

There have been no hatchery improvements during the year.

### **ACKNOWLEDGEMENTS**

Hatchery staffing during the fish year included:

Bill Carter, Fish Hatchery Superintendent I (10/1/83 - 8/27/84);  
Daniel J. Beers, Fish Hatchery Superintendent I (8/27/84 - 9/30/84);  
Janice Hoagland, Temporary Employee and Ralph L. Beeler, Temporary Employee.